

ATMOSPHERE

Session Profile

9:00 to 10:30 AM

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Hint: works best in landscape

ATMOSPHERE Session Chair	Charles Alexander , OMAO/DS/PSOD (click name for bio)	
Session Summary	Operating environment of Observing System platform which are located in the Atmosphere from 10 meters to about 100 kilometers above sea level. Examples of these systems include manned or unmanned aircraft (including weather balloons) and/or from sensors deployed from airborne platforms that measure atmospheric conditions.	
Agenda	9:00	Atmosphere Session Intro Charles Alexander OMAO/DS/PSOD
	9:05	The Coyote Unmanned Aircraft System: Advancing the Technology Readiness of Low Altitude Expendable UAS Observations in Hurricanes to Address Critical Data Gaps, Improve Understanding and Enhance Future Forecasts of Intensity Change Joe Cione OAR/AOML

	9:15	Low Altitude Rotary- and Fixed-Wing UAS Observations of Severe Storms to Fill Critical Data Gaps	Steven Koch OAR/NSSL Bruce Baker OAR/ARL
	9:25	Applications of Small Rotary Wing UAS for Protected Species Research	Wayne Perryman NMFS/SWFSC
	9:35	The Printed Optical Particle Spectrometer (POPS) and Miniature Scanning Aerosol Sun Photometer (miniSASP) Instruments	Ru Shan Gao OAR/ESRL/CSD Troy Thornberry OAR/ESRL/CSD
	9:45	Integrated Hyperspectral Detection of HABS with Airborne and Handheld Sensors	Steven Ruberg OAR/GLERL Andrea Vander Woude OAR/GLERL
	9:55	Unmanned Aircraft for Airborne Gravity Measurements	Vicki Childers NOS/NGS Monica Youngman NOS/NGS
	10:05	Atmosphere Session Panel, Q&A	Led by Charles Alexander
	10:30	<i>Break and Posters</i>	
Rapporteur	Sabrina Taijeron , NOAA TPIO (Link to Session Notes)		
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